REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

1st and final Bill

Work code :

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426634

Est. Cost, 100.00 Lakhs.

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency ..Sri. B.M. Munirajju #432/A, Unnati nilaya 1st Main

ate of commencement of work .....1st Cross, Shivashankara Block, Hebbala, B.lore-24

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Work order NO :- BBMP/EE/BTP/WO/217/2018-19						
	JOB.NO : 006-18-000038, 006-18-000044, 006-18-000047						
	Date of Recording : 08.11.2019						
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m. excavated surface levelled and sides neately dressed. the disposed earth to be levelled neatly after breaking of clods.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete as Per specification.						
	Rate: 198.42					593.44	117750.00
	Qty as per Pre measurement Recorded vide Page NO 1 and 2						
2	Removing & Refixing Stone Slabs of drains and Pointing in C.M (1:3)						
	Rate: 85.51					625.77	53510.00
	Qty as Per Pre measurement Recorded vide Page No. 2						
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc.. Complete. 7.5 cms thick.						
	Rate: 706.62					1647.63	1164248.00
	Qty as Per measurement Recorded vide Page No 1 'E' Bill						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
4	Providing and layi... 1:3:6 with OPC ce... graded granite n... aggregates @ 0.... layers not exceed... including cost of... Complete as Per sp...
	Rate: 5677.71
	Qty as Per Pre...

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
		593.44	117750.00
			d vide Page NO1 and 2
			s of drains and Pointing
		625.77	53510.00
			ded vide Page No.2
			selected quality roughly
			ortor (1:6) including
			7.5 cms thick.
		1647.63	1164248.50

ded vide Page No 1 'E' Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426635

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 Kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 Cum. Machine mixed. Concrete laid in layers not exceeding 15 cms. thick. well compacted in foundation including cost of all materials. labour. HOM of machinery curing complete as per specifications. Rate: 5677.71					335.78	1906461.00

Qty as Per Pre measurement Recorded vide Page NO.3

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5	Providing and fixing RCC Precast cover slab of 250mm thick for drain in Cement concrete M20 using graded granite Jelly 20mm and down size with steel reinforcement. Including form work lift Charges. Curing and concrete finshed surfaces on both sides etc. Complete and as per drawing and the directions of Engineer in-Charge. (Data Rate)						
	Rate: 5644.00					137.50	776050.00
	Qty Measurement Recorded 'E' Bill Page-2						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
6	Excavation for roa of 0.90 Cum buc tippers, trimming with requirements and transporting t specifications,
	Rate: 157.91
	Qty as Pre measureme

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
ecast Cover slab of ment concrete M20 using nd down size with steel work lift charges. d surfaces on both sides wing and the directions te)			
		137.50	776050.00
d 'E' Bill Page-2			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426636

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
6	Excavation for road work in soil with hydraulic excavator of 0.90 Cum bucket capacity including and loading in tippers, trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per Specifications,						
	Rate: 157.91					1413.95	223277.00
	Qty as per measurement Recorded vide Page No. 4						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7	Providing laying spreading and Compacting graded Stone aggregate to wet mix macadam specification Including premixing the material with water at OMC in mechanigal mix plant Carriage of mixed material by tipper to site. laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the disired density. Complete as per Specifications. Rate: 1876.82					957.60	1797243.00
	Qty as per Pre measurement Recorded vide page No. 5						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
8	Providing and a Prepared surface clearing of ro 0.60 kg/sqm usi
9	Rate: 3 qty as per Pre measur Providing and ap Prepared black to in boiler fitte

OK

Depth 6	Contents 7	Reference to last Measurement 8
d Compacting graded		
adam specification		
ith water at OMC		
f mixed material		
layers with paver in		
surface and compacting		
ired density. Complete		
	957.60	1797243.00
ge No. 5		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426637

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
8	Providing and applying primer coat with SS bitumen emulsion on Prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications						
	Rate : 31.51						
	qty as per Premeasurement Recorded vide page No. 6					3830.40	120696.00
9	Providing and applying tack coat using 80/100 grada bitumen (VG 10) Prepared black topped surfaces at 2.5 kg per 10 sqm. heating bitumen in boiler fitted with spray set						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(excluding Cleaning of Road Surface) including Cost of all meterials. labour. HOM of machineries Complete as per Specifications.						
	Rate: 13.50						
	Qty measurement Recorded 'E' Bill Page No. 2					3830.40	51710.00
10	Providing and laying bituminous Concrete 30-40 mm Compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II. Premixed with bituminous binder at 5.4% of mix and filler. transporting the hot mix to work site. laying with a Mechanical Paver finisher to the required grade, level and alignment rolling						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	With smooth wheel desird Compaction Complete in all re
	Rate: 8506.4
11	Qty measureme Providing and la 2.5 mm thick includ Sqm area, thickness beads as per IRC

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
rface) including Cost of all			
eries Complete as per			
		3830.40	51710.00
E' Bill Page No. 2			
nous Concrete 30-40 mm			
Bitumen grade using 40-60 HMP			
ading 11. Premixed with			
mix and filler. transporting			
ying with a Mechanical Paver			
de. level and alignment rolling			

M. A. R. 57 (Rule 116)
Measurement Book

No. B
426638

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With smooth wheeled vibratory and tandem rollers to achieve the desird Compaction as per MORT &H Specification Clause No 500.9 Complete in all respects as per specifications.						
	Rate: 8506.44					153.22	1303357.00
11	Qty measurement Recorded 'E' Bill Page No. 2 and 3. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per Sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC 35 the finished Surface to be level.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	uniform and free from streaks and holes Complete as per specifications.						
	Rate: 576.10					155.60	89641.00
	Qty Measurement Recorded 'E' Bill Page No. 3						
12	Providing and Constructing granite stone masonry in foundation cement mortor 1:6. Stone hammered dressed in courses not less than 20 cms high bond stones at 2m. apart in each course including cost of materials, labour. Curing complete as per specifications.						
	Rate: 4711.17					49.86	234899.00
	Qty Measurement Recorded 'E' Bill Page No. 4						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
13	Providing flush poi Stone masonry Wit Joints to depth of labour. Curing comp
	Rate: 109.14
	Qty Measuremen
14	Providing and layi 1:2:4 with cement granite metal coar

NT BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measuremen 8
eaks and holes Complete			
		155.60	89641.00
E' Bill Page No. 3			
granite size stone			
ent mortor 1:6. Stone hammered			
than 20 cms high bond stones			
cluding cost of materials,			
specifications,			
		49.86	234899.0
d 'E' Bill Page No. 4			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426639

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
13	Providing flush pointing to square rubble. Course or uncoursed stone masonry with cement mortar 1:3 20mm deep. after reking joints to depth of 20mm nicely lining. Including cost of meterials labour. Curing complete as per specifications.						
	Rate: 109.14					83.10	9070.00
	Qty Measurement Recorded 'E' Bill Page No 4						
14	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregate						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ 0.459 Cum. Machine mixed. Concrete laid in layers not exceeding 15 cms. thick well compacted. In foundation and Plinth. Including cost of all materials, labour. Hom of Machinery. Curing complete as per specifications,						
	Rate: 6122.16					5.94	36366,00
	Qty Measurement Recorded 'E' Bill Page No. 4						
15	Cement Concrete pavement. Construction of un reinforced Plain Cement concrete pavement. thickness as per design. over a preparad sub base with opc cement or any other type as per clause 1051.2.2 design mix M20/M30 with 25mm and down size graded granite metal course aggregates						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	and fine aggregates
	IS 9103-1999 Reaffirm
	than 0.6 Cum capa
	ed mix design lai
	Channel. laying and
	steel plates including
	spreading the Concr
	needle. screed and p
	Rate 6600,36
	Qty M

NT BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		oncrete laid in layers not	
		mpacted. In foundation and	
		er ials, labour. Hom of machinery.	
		ations.	
		5.94	36366,00
		d 'E' Bill Page No. 4	
		onstruction of un reinforced	
		nt. thickness as per design.	
		ith opc cement or any other	
		sign mix M20/M30 with 25mm	
		nite metal course aggregates	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426640

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and fine aggregates with Superplastisisey @ 3 lts confirming to						
	IS 9103-1999 Reaffirmed-2008 mixed in a concrete mixer of not less						
	than 0.6 cum capacity and appropriate weigh batcher as per approv						
	ed mix design laid in approved fixed side form work (steel						
	channel. laying and fixing of 125 micron thick polythene film. wedges						
	steel plates including levelling the form work as per drawing)						
	spreading the Concrete with shovels. rackers compacted using						
	needle. screed and plate vibrator finished and etc..						
	Rate 6600,36					213.95	1412147.00
	Qty Measurement Recorded 'E' Bill Page No 5						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	16 Vaccum de Watering with Vaccum pump and Suction mat and compaction with skin floater clubbed with floating disc including cost of generator Hom of machinery. screed vibratory. Power floater, blade and disc etc.. with all lead and lift.						
	Rate: 101.27					2139.50	216667.00
	Qty Recorded vide .E.Bill page No. 5					Total R	9513092.00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಡಿ.ಎ.ಪಿ.ಸಿ ಬೆಂಗಳೂರು-24
8/11/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
8.11.2019
ಬಿ.ಡಿ.ಎ.ಪಿ.ಸಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	CERTIFICATE:- Certified that the contractor has thwi is no any d

ಸಹಾಯಕ
ಬಿ.ಡಿ.ಎ.ಪಿ.ಸಿ ಬ್ಯಾಟರಾ

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		Pump and suction mat	
		clubbed with floating	
		Hom of machinery.	
		lade and disc etc..	
		2139.50	216667.00
		Total Rs	9513092.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426641

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CERTIFICATE:- Certified that the above work done satisfactory the contractor has removed the debris from site. There is no any dept. materials issued to Contractor.						

08/11/2019
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

8/11/2019
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st and Final						
	ಟೆಕ್ಕಶೀಟ್‌ನ p-3316 ರಡಿ						
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 9513000=00 ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ.						
	ಇದರಲ್ಲಿ ರೂ. 462876=00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ						
	ಮಾಡಿಕೊಂಡು ರೂ. 9050124=00 ಗಳನ್ನು						
	FT/NEFT/RTGS ಮೂಲಾಂತರ ನೀಡಲಾಗಿದೆ						
	ಸಹಾಯಕ ನಿರ್ವಾಹಕರು ಬ್ಯಾಲರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆಮುಪಾ, ಬೆಂಗಳೂರು		ಲೆಕ್ಕಾಧಿಕಾರಿ ಬ್ಯಾಲರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆಮುಪಾ, ಬೆಂಗಳೂರು				
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಲರಾಯನಪುರ ವಿಭಾಗ ಬೃಬೆಮುಪಾ, ಬೆಂಗಳೂರು						
				BA	951	3000=00	
				IT		95200=00	
				GST		84938=00	
				CGST		84938=00	
				LR		93000-00	
				CBF		9600-00	
				LWF		95200=00	
				TD		462876=00	
				Net		9050124=00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2